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Yamamitsu, C., et al., Variable Speed Search Technique for Digital VCRs, July, 448
Yamamura, Y., Yamanaka, N., and Mitsuzuka, K., An Intelligent Robotic Camera System, Jan., 23
Yamanaka, N., Yamamura, Y., and Mitsuzuka, K., An Intelligent Robotic Camera System, Jan., 23
Yamanouchi, Y., et al., Real-Time Locus Indication System for a Flying Golf Ball, Sept., 606

Z

Zou, William Y., and Wu, Yiyian, Performance Simulation of COFDM for TV Broadcast Application, May, 258
Zwaneveld, E. H., et al., Re-engineering Negative Inspection and Cutting: A Study of Its Work Process Ergonomics and the Definition of Computerized Workstations for Each Activity, Nov., 751

